

<p>SINE/COSINE FIRST QUADRANT</p> $\sin(0)$ <p>TRIGONOMETRY</p>	<p>SINE/COSINE FIRST QUADRANT</p> $\sin\left(\frac{\tau}{12}\right)$ <p>TRIGONOMETRY</p>
<p>SINE/COSINE FIRST QUADRANT</p> $\sin\left(\frac{\tau}{8}\right)$ <p>TRIGONOMETRY</p>	<p>SINE/COSINE FIRST QUADRANT</p> $\sin\left(\frac{\tau}{6}\right)$ <p>TRIGONOMETRY</p>
<p>SINE/COSINE FIRST QUADRANT</p> $\sin\left(\frac{\tau}{4}\right)$ <p>TRIGONOMETRY</p>	<p>SINE/COSINE FIRST QUADRANT</p> $\cos(0)$ <p>TRIGONOMETRY</p>
<p>SINE/COSINE FIRST QUADRANT</p> $\cos\left(\frac{\tau}{12}\right)$ <p>TRIGONOMETRY</p>	<p>SINE/COSINE FIRST QUADRANT</p> $\cos\left(\frac{\tau}{8}\right)$ <p>TRIGONOMETRY</p>
<p>SINE/COSINE FIRST QUADRANT</p> $\cos\left(\frac{\tau}{6}\right)$ <p>TRIGONOMETRY</p>	<p>SINE/COSINE FIRST QUADRANT</p> $\cos\left(\frac{\tau}{4}\right)$ <p>TRIGONOMETRY</p>

$\frac{1}{2}$	0
$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$
1	1
$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$
0	$\frac{1}{2}$

<p>TANGENT/COTANGENT FIRST QUADRANT</p> $\tan(0)$ <p>TRIGONOMETRY</p>	<p>TANGENT/COTANGENT FIRST QUADRANT</p> $\tan\left(\frac{\tau}{12}\right)$ <p>TRIGONOMETRY</p>
<p>TANGENT/COTANGENT FIRST QUADRANT</p> $\tan\left(\frac{\tau}{8}\right)$ <p>TRIGONOMETRY</p>	<p>TANGENT/COTANGENT FIRST QUADRANT</p> $\tan\left(\frac{\tau}{6}\right)$ <p>TRIGONOMETRY</p>
<p>TANGENT/COTANGENT FIRST QUADRANT</p> $\tan\left(\frac{\tau}{4}\right)$ <p>TRIGONOMETRY</p>	<p>TANGENT/COTANGENT FIRST QUADRANT</p> $\cot(0)$ <p>TRIGONOMETRY</p>
<p>TANGENT/COTANGENT FIRST QUADRANT</p> $\cot\left(\frac{\tau}{12}\right)$ <p>TRIGONOMETRY</p>	<p>TANGENT/COTANGENT FIRST QUADRANT</p> $\cot\left(\frac{\tau}{8}\right)$ <p>TRIGONOMETRY</p>
<p>SECANT/COSECANT FIRST QUADRANT</p> $\cot\left(\frac{\tau}{6}\right)$ <p>TRIGONOMETRY</p>	<p>SECANT/COSECANT FIRST QUADRANT</p> $\cot\left(\frac{\tau}{4}\right)$ <p>TRIGONOMETRY</p>

$\frac{1}{\sqrt{3}} \text{ or } \frac{\sqrt{3}}{3}$ $\tan(\tau/12) = \frac{\sin(\tau/12)}{\cos(\tau/12)} = \frac{1/2}{\sqrt{3}/2} = \frac{1}{\sqrt{3}}$	0 $\tan(0) = \frac{\sin(0)}{\cos(0)} = 0$
$\sqrt{3}$ $\tan(\tau/6) = \frac{\sin(\tau/6)}{\cos(\tau/6)} = \frac{\sqrt{3}/2}{1/2} = \sqrt{3}$	1 $\tan(\tau/8) = \frac{\sin(\tau/8)}{\cos(\tau/8)} = \frac{\sqrt{2}/2}{\sqrt{2}/2} = 1$
<p style="text-align: center;">UNDEFINED</p> $\cot(0) = \frac{\cos(0)}{\sin(0)} = \frac{1}{0} \text{ undefined}$	<p style="text-align: center;">UNDEFINED</p> $\tan(\tau/4) = \frac{\sin(\tau/4)}{\cos(\tau/4)} = \frac{1}{0} \text{ undefined}$
1 $\cot(\tau/8) = \frac{\cos(\tau/8)}{\sin(\tau/8)} = \frac{\sqrt{2}/2}{\sqrt{2}/2} = 1$	$\cot(\tau/12) = \frac{\cos(\tau/12)}{\sin(\tau/12)} = \frac{\sqrt{3}/2}{1/2} = \sqrt{3}$
0 $\cot(\tau/4) = \frac{\cos(\tau/4)}{\sin(\tau/4)} = \frac{0}{1} = 0$	$\frac{1}{\sqrt{3}} \text{ or } \frac{\sqrt{3}}{3}$ $\cot(\tau/6) = \frac{\cos(\tau/6)}{\sin(\tau/6)} = \frac{1/2}{\sqrt{3}/2} = \frac{1}{\sqrt{3}}$

<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\sec(0)$</p> <p style="text-align: right;">TRIGONOMETRY</p>	<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\sec\left(\frac{\tau}{12}\right)$</p> <p style="text-align: right;">TRIGONOMETRY</p>
<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\sec\left(\frac{\tau}{8}\right)$</p> <p style="text-align: right;">TRIGONOMETRY</p>	<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\sec\left(\frac{\tau}{6}\right)$</p> <p style="text-align: right;">TRIGONOMETRY</p>
<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\sec\left(\frac{\tau}{4}\right)$</p> <p style="text-align: right;">TRIGONOMETRY</p>	<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\csc(0)$</p> <p style="text-align: right;">TRIGONOMETRY</p>
<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\csc\left(\frac{\tau}{12}\right)$</p> <p style="text-align: right;">TRIGONOMETRY</p>	<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\csc\left(\frac{\tau}{8}\right)$</p> <p style="text-align: right;">TRIGONOMETRY</p>
<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\csc\left(\frac{\tau}{6}\right)$</p> <p style="text-align: right;">TRIGONOMETRY</p>	<p>SECANT/COSECANT FIRST QUADRANT</p> <p style="text-align: center;">$\csc\left(\frac{\tau}{4}\right)$</p> <p style="text-align: right;">TRIGONOMETRY</p>

$\frac{2}{\sqrt{3}} \text{ or } \frac{2\sqrt{3}}{3}$ $\sec(\tau/12) = \frac{1}{\cos(\tau/12)} = \frac{1}{\sqrt{3}/2} = \frac{2}{\sqrt{3}}$	1 $\sec(0) = \frac{1}{\cos(0)} = \frac{1}{1} = 1$
2 $\sec(\tau/6) = \frac{1}{\cos(\tau/6)} = \frac{1}{1/2} = 2$	$\sqrt{2}$ $\sec(\tau/8) = \frac{1}{\cos(\tau/8)} = \frac{1}{\sqrt{2}/2} = \frac{2}{\sqrt{2}} = \frac{2\sqrt{2}}{2} = \sqrt{2}$
<p style="text-align: center;">UNDEFINED</p> $\csc(0) = \frac{1}{\sin(0)} = \frac{1}{0} \text{ undefined}$	<p style="text-align: center;">UNDEFINED</p> $\sec(\tau/4) = \frac{1}{\cos(\tau/4)} = \frac{1}{0} \text{ undefined}$
$\sqrt{2}$ $\csc(\tau/8) = \frac{1}{\sin(\tau/8)} = \frac{1}{\sqrt{2}/2} = \frac{2}{\sqrt{2}} = \frac{2\sqrt{2}}{2} = \sqrt{2}$	2 $\csc(\tau/12) = \frac{1}{\sin(\tau/12)} = \frac{1}{1/2} = 2$
1 $\csc(\tau/4) = \frac{1}{\sin(\tau/4)} = \frac{1}{1} = 1$	$\frac{2}{\sqrt{3}} \text{ or } \frac{2\sqrt{3}}{3}$ $\csc(\tau/6) = \frac{1}{\sin(\tau/6)} = \frac{1}{\sqrt{3}/2} = \frac{2}{\sqrt{3}}$